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To: Thomas Epstein
Please Review. I will
call you during the
week of 12/1/86 for
your comments and
schedule.
Jim Crowley
November 26, 1986

PROPOSAL FOR CERTIFICATION OF CLOSURE AT
CIBA-GEIGY CORP.
CRANSTON, RHODE ISLAND

Submitted to:

CIBA-GEIGY Corp.
Cranston, Rhode Island

Jim,
Make sure the
engineers address
and their closure
plan in their
proposal.
R

O.H. Materials Corp.

Jeffrey R. Gillis
Project Director

November 18, 1986
Project File No. 3420

TABLE OF CONTENTS

1.0 INTRODUCTION

O.H. Materials Corp. (OHM) has been contracted by CIBA-GEIGY Corp. to perform plant remediation at the Cranston, Rhode Island facility. The following proposal for Certification of Closure is designed to address the cleaning methodologies utilized and includes a proposal to complete the closure.

2.0 CLEANING METHODS

2.1 T-1 AND NO. 022 TANKS

OHM performed a six-step cleaning process on the T-1 and No. 002 tanks. The process consisted of the following:

- Mechanical removal of approximately 2,500 gallons of liquid material. (1,600 gallons previously contained in T-1 and an additional 900 gallons transferred from No. 022 tank to the T-1 tank)
- Manual removal of 2,100 gallons of sludge (1,700 gallons from T-1 and 400 gallons from No. 022)
- Manual scraping of interior tank walls
- Three passes with 15-percent penetone/water mixture using the 9,000 psi high pressure laser
- Mechanical collection via vacuum equipment of washwater
- Hand wiping of interior tank walls

2.2 DRUM STORAGE AREA

OHM performed a four-step cleaning process on the drum storage area. The process consisted of the following:

- Removal and disposal of all drums
- Sweep area to remove debris, excess sand, etc.
- One pass cleaning with 15-percent penetone/steam rinse using the 2,000 psi steam generator
- Mechanical collection via vacuum equipment of washwater. Sampling of washwater for on-site treatability

3.0 PROPOSAL TO COMPLETE CLOSURE

In order to properly complete the closure of the facility, it is proposed that the following activities be performed to complete this task.

- Visual Inspection - Once the storage tanks and/or drums have been removed from their present locations, a visual inspection of the drum storage area and tank support pads can be instituted. This inspection will allow observers to detect anay penetration or degredation of the concrete or asphalt pads.

- Steam Cleaning - using the 2,000 psi steam jenny all surface areas of the drum storage area and tank support pads will be washed to remove an potential non-visible surface contamination. Washwater will be collected and analyzed for treatability on site.

- If evidence of ground contamination is encountered, removal of the affected area will be undertaken and any contaminated debris analyzed for offsite disposal